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Publications, Presentations, Abstracts:

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- Strzinek, Scholes, and Norton, 1972. "The Purification and Characterization of Liver Glyoxalase I from Normal Mice and from Mice Bearing a Lymphosarcoma." Cancer Research, 32:2359-2364.
- Baur, Walkinshaw, Halliwell, and Scholes, 1973. "Morphology of Nicotiana tabacum Cells Grown in Contact with Lunar Material." Can. J. Bot. 51:151-156.
- Larsen, Scholes, and Skinner, 1974. "Effect of 4-Chloroglutaranilic Acid on Growth and Development of Sunflower Seedling." American Journal of Botany. 61(3):290-295.
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- Nunez, Holmgren, and Scholes, 1977. "An Electron Microscope Study of Antigen Binding in vitro by specifically Sensitized Peritoneal Exudate Cells of Guinea Pigs." Tex. J. Sci. 27(4).
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- Hromas, Markel, and Scholes. November, 1979. "Suppressed Lymphocyte Blastogenesis Induced by Suspected Murine Sarcoma Virus." Presentation. Oklahoma Academy of Science, Edmond, Oklahoma.
- Hromas, Markel, and Scholes, November, 1979. "Suppressed Lymphocyte Blastogenesis Induced by a Suspected Murine Sarcoma Virus." Presented poster session by invitation. International Engineering Foundation Conference on Automated Cytology VIII, Psilomar Conference Grounds, Monterey, CA.
- Starkey, Logan, and Scholes, November 1981. "Immune Response Assayed by Flow Cytometry." Oklahoma Academy of Sciences, Enid, Oklahoma.
- Starkey, and Scholes, February 1982. "Detection of Bacterial Infection Through Flow Microfluorimetry." Oklahoma Academy of Sciences, Norman, Oklahoma.
- Essenberg, Cover, Grover, Hamilton, Richardson, Scholes, and Johnson. Production of 2,7-Dihydroxycadalene and Lacinilene C during the Resistance Response of Cotton to Xanthomonas malvacearum, Beltwide Cotton Prod. - Mech. Conf., Las Vegas, Nevada, January 1982.
- Essenberg, Cover, Pierce, Richardson, Scholes, and Hamilton. Local Concentrations of Two Phytoalexins at Sites of Bacterial Colonies in Cotton Leaves, Am. Phytopathol. Soc., Salt Lake City, Utah, August, 1982, Phytopathology, 72, 945.
- Essenberg, Cover, Pierce, Richardson, Scholes, and Hamilton. Local Concentrations of Two Phytoalexins at Sites of Bacterial Colonies in Cotton Leaves, West Central States Biochem., Conf., Stillwater, Oklahoma, November 1982.
- Pierce, Cover, Essenberg, and Scholes. Localization of Inhibitory Compounds in Cotton Leaves and Estimation of Their concentrations by Fluorescence Microscopy, 71st Annual Meeting, Oklahoma Academy of Sciences, Chickasha, Oklahoma, November 1982.
- Scholes, and Wildman, November 1982. "Effect of Tumors on the Immune Status of the Host. Oklahoma Academy of Science, Chickasha, Oklahoma.
- Cochrane, and Scholes, February 1983. "The Effect of Tumor Progression on B-cells and T-cell Subsets." Presented at the Mid-Winter Collegiate Academy Meeting, Oklahoma Academy of Science, Oklahoma State University, Stillwater, Oklahoma.
- Manteuffel, and Scholes, February 1983. "Blastogenic Response of Lymphocytes to Specific Tumor Antigens During Tumor Development." Presented at the Mid-Winter Collegiate Academy Meeting, Oklahoma Academy of Science, Oklahoma State University, Stillwater, Oklahoma.
- Isaac and Scholes, February 1983. "Effect of Tumor Progression on Phagocytosis." Presented at the Mid-Winter Collegiate Academy Meeting, Oklahoma Academy of Science, Oklahoma State University, Stillwater, Oklahoma.
- Wiet and Scholes, February 1983. "Effects of Tumors on Macrophage Migration as Tumors Progress." Presented at the Mid-Winter Collegiate Academy Meeting, Oklahoma Academy of Science, Oklahoma State University, Stillwater, Oklahoma.



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- Essenberg, Pierce, Cover, Hamilton, Scholes, and Richardson, 1992. "A Method for Determining Phytoalexin Concentrations in Fluorescent, Hypersensitively Necrotic Cells in Cotton Leaves." Physiological and Molecular Plant Pathology, 41:101-109.
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- Pierce, Cover, Richardson, Scholes, Essenberg, 1996. "Adequacy of Cellular Phytoalexin Concentrations in Hypersensitively Responding Cotton Leaves." Physiological and Molecular Plant Pathology, 48:305-324.

Special Symposia and Consultantships:

Special Consultant to the United States Department of Agriculture - "Incineration of Virus-Infected Animal Carcasses," 1971.

Consultant in Microbiology - Veterans Administration Hospital, Biloxi, Mississippi, 1975-76.

Special Consultant to the Center for Disease Control, Atlanta, Georgia - "Rapid Identification of Viruses," 1975-76.

Invited Participant, Special Symposium - "Automated Cytology in the Diagnosis of Cancer" - National Institutes of Health, National Cancer Institute, 1975.

Invited Participant, International Symposium - Evaluation of Clinical Laboratory Automation in the Americas, Mexico City, Mexico. Invited speaker - "High Resolution Automated Cytological Screening," 1976.

Local Arrangements Chairman - Association of Medical School Microbiology Chairman Meeting, Mobile, Alabama, 1976.

Program Committee Chairman - Association of Medical School Microbiology Chairman Meeting, 1977-79.

Invited participant - Engineering Foundation Sixth Conference on Automated Cytology, Schloss Elmau, Bavaria, West Germany, 1978.

Invited participant - Engineering Foundation Conference VII on Automated Cytology, Psilomar Conference Grounds, Monterey, California, 1979.

Invited Participant - Conference on Analytical Cytology and Cytometry, Wentworth by the Sea, Portsmouth, New Hampshire, 1981.

Invited Participant - Allergy Symposium at Environmental Ecology Health Center, Dallas, Texas, 1981.

Invited Participant - Allergy Symposium at Environment Ecology Health Center, Dallas, Texas, 1981.

Invited Participant -- Seminar on Flow Cytometry at NASA, Houston, Texas, 1982.

Invited Participant -- Conference on Analytical Cytology and Cytometry - Schloss Elmau, Bavaria, West Germany, 1982.

Director of M.S. Theses:

Earl Meador, 1966 - "Studies of Delayed Hypersensitivity Reactions in Mice"

James Carnes, 1966 - "Phosphorus Metabolism in Atypical Mycobacteria"

James Shaw, 1966 - "Electron Microscopy of Vesicles Present in Bacterial Lysates of Escherichia coli"

J. Frederick Chapel, 1967 - "The In Vitro Interaction of 3-Methylcholanthrene with Deoxyribonucleic Acid"

Russell Hollingsworth, 1968 - "Phospholipids of Atypical Mycobacteria"

Bruce Gunn, 1968 - "Effects of the Soil Conditioner 'Superbio' upon the Cellulose Decomposing Bacteria and the Crop Yield of Soil"

Joe Abrams, 1970 - "Ultrastructural Changes of Tumor Implants in Mice"

Robert Pardue, 1972 - "Electron Microscopy of Lymphocytes from Lymphosarcoma Bearing Mice"

Jon D. Blackley, 1972 - "A Carcinogenic Agent Elaborated by Liver Cells from Lymphosarcoma Bearing Mice"

Rob Hromas, 1979 - "Immunosuppression Induced by a Murine RNA Tumor Virus Extracted from a Lymphosarcoma"

Steve Wildman, 1982 - "Effect of a Lymphosarcoma on the Immune Status of the Host"

Director of Ph.D. Dissertations:

H. Frederick Chapel, 1969 - "In vivo DNA Modifications by Polycyclic Hydrocarbons"

Paul Holmgren, 1969 - "The Use of P^{32} and Autoradiography in an Ultrastructural Study of Phosphorus Incorporation in Tissue of the Tumor-bearing Host"

Tom Rogers, 1979 - "Light and Electron Microscope Studies on the Chemotherapeutic Effect of a Combination of Dimethyl Sulfoxide and Hematoxylin on a Transplantable Lymphosarcoma"

Robert Strzinek, 1970 - "A Characterization of the Glyoxalase Enzyme from Normal and Tumor Systems"

William Nunez, 1970 - "A Comparative Study of Passive Transfer Mechanisms of Tuberculin and Chemical contact Delayed Hypersensitiveness in the Guinea Pig"

Stephen P. Larsen, 1972 - "Effect of 4-Chloroglutaranilic Acid on Growth and Development of Sunflower Seedlings"

Buford L. Brian, 1972 - "Lipids and Phospholipase Activity of Vibrio Cholerae"

James E. Carnes, 1972 - "In Vivo and In Vitro Transformation of Mouse Tissues from a Murine Lymphosarcoma"

Jerri Lindsey, 1972 - "A Study of Normal, Pre-Tumor, and Tumor Cells from Mice Bearing Lymphosarcoma"

Terri Lindsey, 1972 - "Effect of Tumor Tissue on Mouse Serum Proteins"

Director of Post-Doctoral Work

Tom D. Rogers, Ph.D. NASA-MSC. Early Detection of Disease

1969-72

Paul S. Baur, Jr., Ph.D. NASA-MSC. Effect of Lunar Material on the Ultrastructure of
Plant Cells.

1970-72

Thomas Croley, Ph.D. NASA-MSC. Effect of Lunar Material on the Ultrastructure of
Plant Cells.

1971-72

Daniel Markel, Ph.D. ORU. Automated Cytometry

1979-80